

In the Claims:

Please amend the claims as follows:

1. (currently amended) A method of providing address information for reaching a wireless terminal, comprising:

dynamically notifying substantially directly at least one other communicating party of a current public address of a wireless terminal;

said wireless terminal being connected to a first wireless communication network, ~~a varying public address being dynamically allocated to said wireless terminal~~ having a dynamically allocated varying public address, and said wireless terminal being reachable from outside of the first wireless communication network by means of said varying public address, ~~wherein the method comprises:~~

~~dynamically notifying substantially directly at least one other communicating party of a current public address of the wireless terminal.~~

2. (currently amended) The method of claim 1, wherein said ~~step of~~ notifying comprises

dynamically sending an address update request substantially directly to said at least one other communicating party, the address update request comprising a source address and a destination address, ~~and using the source address of the address update request as seen by said at least one other communicating party as said current public address of the wireless terminal.~~

3. (currently amended) The method of claim 2, wherein said ~~step of~~ sending an address update request is repeated periodically.

4. (currently amended) The method of claim 1, wherein said ~~step of~~ notifying comprises
dynamically finding out a public address allocated to the wireless terminal at a given moment for obtaining said current public address of the wireless terminal, and
sending said current public address of the wireless terminal substantially directly to said at least one other communicating party.
5. (currently amended) The method of claim 4, wherein said ~~step of~~ sending is conducted, if said current public address has ~~been~~ changed after the previous sending of the current public address.
6. (original) The method of claim 4, wherein finding out said current public address comprises
querying the public address of the wireless terminal from an external entity capable of seeing the public address of the wireless terminal.
7. (original) The method of claim 4, wherein finding out said current public address comprises
polling substantially continuously said current public address.
8. (original) The method of claim 1, wherein the method further comprises
choosing conditionally, which other communicating parties are notified of said current public address.
9. (currently amended) The method of claim 8, wherein said ~~the step of~~ choosing is conducted on the basis of predefined profile information defining to whom said current public address shall be available.

- 10.(original) The method of claim 1, wherein the method further comprises
maintaining said current public address in said at least one other communicating
party in association with identification information associated with the wireless
terminal, whereby the address information for reaching said wireless terminal is
readily available in said at least one other communicating party by means of said
identification information for future use.
- 11.(original) The method of claim 10, wherein said identification information is a
predefined host name.
- 12.(original) The method of claim 1, wherein said at least one other communicating
party is one of the following: a general-purpose computer, a server and another
wireless terminal, such as a mobile phone, a PDA (Personal Digital Assistant)
device or a laptop computer with wireless communicating capability.
- 13.(currently amended) A method of providing address information for reaching a
wireless terminal, comprising:
receiving at an external name server, to which the wireless terminal has been
registered by means of identification information associated with the wireless
terminal, a notification of a current public address of the wireless terminal,
said wireless terminal being coupled to a first wireless communication
network, ~~a varying public address being dynamically allocated to said wireless~~
~~terminal, and said wireless terminal being reachable from outside of the first wireless~~
communication network by means of said a varying public address, wherein the
method comprises:
~~dynamically notifying an external name server, to which the wireless terminal~~
~~has been registered by means of identification information associated with the~~
~~wireless terminal, of a current public address of the wireless terminal,~~
maintaining said current public address in said external name server in

association with said identification information, and

conditionally giving out said current public address from said external name server according to conditions given in profile information associated with said identification information, whereby the address information for reaching said wireless terminal is conditionally obtainable from said external name server by means of said identification information.

14.(currently amended) The method of claim 13, wherein said notification is ~~step of notifying comprises dynamically sending an address update request to said external name server, then~~ an address update request comprising a source address and a destination address, and the method comprises

using the source address of the address update request as seen by said external name server as said current public address of the wireless terminal.

15.(canceled)

16.(canceled)

17.(canceled)

18.(currently amended) The method of claim 13, wherein the method comprises receiving ~~sending~~ said profile information at ~~the~~ said name server in combination with said notification ~~ying the name server of the current public address.~~

19.(original) The method of claim 13, wherein said profile information defines to whom said address information shall be available.

20.(original) The method of claim 13, wherein said profile information defines a time period during which said address information shall or shall not be available.

21.(original) The method of claim 13, wherein said external name server is located outside of said first wireless communication network.

22.(currently amended) A system for providing address information for reaching a wireless terminal, the system comprising:

a wireless communicationing network,

a wireless terminal coupled to said wireless communication network, a varying ~~public address being dynamically allocated to said wireless terminal~~ being configured to have a dynamically allocated varying public address, and said wireless terminal being configured to be reachable from outside of said wireless communication network by means of said varying public address, and

at least one other communicating party;

said wireless terminal being configured to ~~comprising means for~~ dynamically notifying substantially directly said at least one other communicating party of a current public address of the wireless terminal.

23.(currently amended) A system for providing address information for reaching a wireless terminal, the system comprising:

a wireless communicationng network,

a wireless terminal coupled to said wireless communication network, a ~~varying public address being dynamically allocated to said wireless terminal~~ being configured to have a dynamically allocated varying public address, and said wireless terminal being configured to be reachable from outside of said wireless communication network by means of said varying public address, and

an external name server configured to have ;said wireless terminal being registered thereto ~~to said external name server~~ by means of identification information associated with the wireless terminal,

said wireless terminal being configured to dynamically notify said external name

server of a current public address of the wireless terminal,

said external name server being configured to maintain said current public address in association with said identification information,

said external name server being configured to maintain profile information associated with said identification information, and

said external name server being configured to conditionally give out said current public address according to conditions given in said profile information, whereby so that the address information for reaching said wireless terminal is conditionally obtainable from said external name server by means of said identification information.

24.(currently amended) A name server ~~configured to~~ comprising:

a processor and associated memory configured:

to maintain a current public address of a wireless terminal in association with identification information associated with the wireless terminal, ~~said public address having been dynamically allocated to said wireless terminal, and~~ said wireless terminal being reachable by means of said public address,

to maintain profile information associated with said identification information, and

to conditionally give out said current public address according to conditions given in said profile information, whereby so that the address information for reaching said wireless terminal is conditionally obtainable from said name server by means of said identification information.

25.(currently amended) A wireless terminal coupled to a wireless communication network, ~~a varying public address being dynamically allocated to said wireless terminal~~ comprising:

a processor and associated memory configured:

to have a dynamically allocated varying public address, said wireless terminal

~~being to be~~ reachable from outside of said wireless communication network by means of said varying public address, and ~~said wireless terminal being configured~~ to dynamically notify substantially directly at least one other communicating party of a current public address of the wireless terminal.

26.(currently amended) The wireless terminal of claim 25 configured to execute said notifying by

dynamically sending an address update request substantially directly to said at least one other communicating party, the address update request comprising a source address and a destination address, ~~said at least one other communicating party using the source address of the address update request as seen by said at least one other communicating party as said current public address of the wireless terminal.~~

27.(original) The wireless terminal of claim 25 configured to execute said notifying by

dynamically finding out a public address allocated to the wireless terminal at a given moment for obtaining said current public address of the wireless terminal, and

sending said current public address of the wireless terminal substantially directly to said at least one other communicating party.

28.(original) The wireless terminal of claim 25 further configured to conditionally choose-, which other communicating parties are notified of said current public address.

29.(currently amended) A wireless terminal coupled to a wireless communication network, ~~a varying public address being dynamically allocated to said wireless terminal~~comprising:

a processor and a memory configured:

to have a dynamically allocated varying public address, ~~said wireless terminal being to be~~ reachable from outside of said wireless communication network by means of said varying public address,

~~said wireless terminal being~~ to be registered to an external name server by means of identification information associated with the wireless terminal, ~~and said wireless terminal being configured~~

to dynamically notify said external name server of a current public address of the wireless terminal, and

to provide profile information associated with said identification information to said external name server, ~~said external name server being configured to conditionally give out said current public address of the wireless terminal according to conditions given in said profile information, whereby the address information for reaching said wireless terminal is conditionally obtainable from said external name server by means of said identification information.~~

30.(original) A communicating device configured to receive address information for reaching another communicating party substantially directly from said another communicating party.

31.(currently amended) A computer readable medium embodying a computer program executable in a name server, said computer program ~~providing routine of~~ when executed by said name server for:

maintaining in said name server a current public address of a wireless terminal in association with identification information associated with the wireless terminal, ~~said public address having been dynamically allocated to said wireless terminal, and~~ said wireless terminal being reachable by means of said public address,

maintaining in said name server profile information associated with said

identification information, and

conditionally giving out said current public address according to conditions given in said profile information, whereby the address information for reaching said wireless terminal is conditionally obtainable from said name server by means of said identification information.

32. (currently amended) A computer readable medium embodying a computer program executable in a wireless terminal coupled to a wireless communication network, said wireless terminal having a varying public address dynamically allocated to it, and said wireless terminal being reachable from outside of said wireless communication network by means of said varying public address, said computer program ~~providing routine of~~when executed by said wireless terminal for:

dynamically notifying substantially directly at least one other communicating party of a current public address of the wireless terminal.

33. (currently amended) A computer readable medium embodying a computer program executable in a wireless terminal coupled to a wireless communication network, said wireless terminal having a varying public address dynamically allocated to it, said wireless terminal being reachable from outside of said wireless communication network by means of said varying public address, and said wireless terminal being registered to an external name server by means of identification information associated with the wireless terminal, said computer program ~~providing routine of~~when executed by said wireless terminal for:

dynamically notifying said external name server of a current public address of the wireless terminal, and

providing profile information associated with said identification information to said external name server, ~~said external name server being configured to conditionally give out said current public address of the wireless terminal according to conditions given in said profile information, whereby the address information for~~

~~reaching said wireless terminal is conditionally obtainable from said external name server by means of said identification information.~~

34. (currently amended) A computer readable medium embodying a computer program executable in a communicating device, said computer program ~~providing routine~~ when executed by said communicating device for:

receiving address information for reaching another communicating party substantially directly from said another communicating party.

35. (new) A method of providing address information for reaching a wireless terminal, said wireless terminal being connected to a wireless communication network, said wireless terminal having a dynamically allocated varying public address, said wireless terminal being reachable from outside of the first wireless communication network by means of said varying public address, and said wireless terminal being registered to an external name server by means of identification information associated with the wireless terminal, wherein the method comprises:

dynamically notifying said external name server of a current public address of the wireless terminal, and

providing profile information associated with said identification information to said external name server.

36. (new) The method of claim 35, wherein said notifying comprises

dynamically sending an address update request to said external name server, the address update request comprising a source address and a destination address.

37. (new) The method of claim 36, wherein said sending of an address update request is repeated periodically.

- 38.(new) The method of claim 35, wherein said notifying comprises
dynamically finding out a public address allocated to the wireless terminal at
a given moment for obtaining said current public address of the wireless terminal,
and
sending said current public address from said wireless terminal to said
external name server.
- 39.(new) The method of claim 38, wherein said sending is conducted if said current
public address has changed after the previous sending of the current public
address.
- 40.(new) The name server of claim 24, wherein the name server is further configured
to receive said profile information in combination with a notification of the current
public address of the wireless terminal.
- 41.(new) The communicating device of claim 30, wherein the communicating device is
further configured
to receive an address update request from said another communicating party,
and
to use a source address of the address update request as seen by said
communicating device as a current public address of said another communicating
party.
- 42.(new) A name server comprising:
means for maintaining a current public address of a wireless terminal in
association with identification information associated with the wireless terminal, said
wireless terminal being reachable by means of said public address,
means for maintaining profile information associated with said identification
information, and

means for conditionally giving out said current public address according to conditions given in said profile information, whereby the address information for reaching said wireless terminal is conditionally obtainable from said name server by means of said identification information.

43.(new) A wireless terminal coupled to a wireless communication network, said wireless terminal being configured to have a dynamically allocated varying public address, and to be reachable from outside of said wireless communication network by means of said varying public address, the wireless terminal comprising

means for dynamically notifying substantially directly at least one other communicating party of a current public address of the wireless terminal.